AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF PAGES
J	1	2

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
0009	29 May 2002		

6. ISSUED BY CODE

U.S. ARMY ENGINEER DISTRICT, ALBUQUERQUE
CORPS OF ENGINEERS
4101 JEFFERSON PLAZA, N.E.
ALBUQUERQUE, NEW MEXICO 87109-3435

7. ADMINISTERED BY *(If other than Item 6)* CODE

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

CODE FACILITY CODE

(√)	9A. AMENDMENT OF SOLICITATION NO.
X	DACW47-02-B-0011
	9B. DATED *(SEE ITEM 11)* 08 April 2002
	10A. MODIFICATION OF CONTRACTS/ORDER NO.
	10B. DATED *(SEE ITEM 13)*

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(√)	
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

PROJECT: LOMALAND PHASE IV, SOUTHEAST AREA, EL PASO, TEXAS

1. This is Amendment No. 9 to Solicitation No. DACW47-02-B-0011; 08 April 2002. The following revisions shall be incorporated into the specifications and drawings. All other provisions shall remain unchanged.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*		16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*	
15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)*	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY *(Signature of Contracting Officer)*	16C. DATE SIGNED

2. SPECIFICATIONS: Delete the following listed pages and substitute the pages attached hereto. On the revised pages, for convenience, changes are emphasized by the amendment number in parentheses before and after changes from the previous issue. All portions of the revised (or new) pages shall apply whether or not changes have been indicated.

Delete Page	Insert Page
Table of Contents, Page 2	Table of Contents, Page 2
01440-2	01440-2
01451-2	01451-2 thru 01451-2a
02300-8 thru 02300-9	02300-8 thru 02300-9
--	02410-1 thru 02410-5

3. DRAWING CHANGES: The following drawings have been revised and the sequence number changed to indicate such revision: RG-ELP-CP-JJ-0.2, RG-ELP-CP-JJ-19.2, RG-ELP-CP-JJ-20.1, RG-ELP-CP-JJ-21.1, RG-ELP-CP-JJ-51.1.

////////LAST ITEM////////

DIVISION 2 - SITE WORK (Con.)

SECTION 02330 - EMBANKMENT FOR EARTH DAMS

02379 - STONE PROTECTION

(9) 02410 - SUBDRAINAGE SYSTEM (9)

02510 - WATER DISTRIBUTION SYSTEM

02531 - SANITARY SEWERS

02630 - STORM-DRAINAGE SYSTEMS

(2) 02635 - MANHOLE (PRE-CAST)

02640 - PRECAST REINFORCED CONCRETE PIPE (FOR LOW-HEAD HYDROSTATIC PRESSURES OF 125 FT. AND LESS) (2)

02722 - AGGREGATE BASE COURSE

02731 GRAVEL SURFACE COURSE

02741 - HOT-MIX ASPHALT (HMA) FOR ROADS

02748 - BITUMINOUS TACK AND PRIME COATS

02770 - CONCRETE SIDEWALKS AND CURBS AND GUTTERS

02821 - FENCING

02921 - SEEDING

DIVISION 3 - CONCRETE

SECTION 03101 - FORMWORK FOR CONCRETE

03151 - EXPANSION, CONTRACTION AND CONSTRUCTION JOINTS IN CONCRETE FOR CIVIL WORKS

03201 - STEEL BARS AND WELDED WIRE FABRIC FOR CONCRETE REINFORCEMENT FOR CIVIL WORKS

03301 - CAST-IN-PLACE STRUCTURAL CONCRETE FOR CIVIL WORKS

DIVISION 5 - METALS

SECTION 05090 - WELDING, STRUCTURAL

05500 - MISCELLANEOUS METAL

DIVISION 11 - EQUIPMENT

SECTION 11280 - SLUICE GATES

DIVISIONS 13 THRU 16 - NOT USED

Technicians, Grade I. The Contractor's field and laboratory technicians shall submit their qualifications and experience in writing to the Contracting Officer.

2.3 Testing Equipment. All laboratory and field testing equipment, tools, materials and supplies required for performance of Contractor quality control sampling and field and laboratory testing shall be provided by the Contractor. The laboratory shall be equipped to perform the laboratory and field tests referenced in the specifications. No work requiring testing will be permitted until the facilities have been inspected and approved by the Contracting Officer.

2.4 Maintenance of Laboratory and Field Testing Equipment. All laboratory and field testing equipment shall be maintained in first class operating condition. Equipment that becomes worn, damaged, out of tolerance or otherwise unsuitable for the required laboratory and field tests shall be replaced by the Contractor, at no additional expense to the Government.

(9) 3. CONTRACTOR SAMPLING AND TESTING. During earthwork, embankment and concrete construction, the materials shall be sampled and tested by Contractor personnel. The types of tests required are referenced in the applicable Technical Sections. The Contractor shall provide sufficient laboratory staff to perform testing for every shift of work during construction. All laboratory technicians shall meet the minimum qualifications listed above and shall be approved by the Contracting Officer. (9)

(9) 3.1 All inspections and test results shall be certified by a registered professional civil engineer. The certificates shall state that the tests and inspections were performed by or under the direct supervision of the engineer and that results are representative of the materials or conditions being certified by the tests.

3.2 Quality assurance testing by the Government may be performed by the Government concurrently with the Contractor quality control testing. (9)

4. QUALITY CONTROL.

4.1 General. The Contractor shall establish and maintain quality control for the work covered in this section of the Technical Provisions to assure compliance with contract requirements and maintain quality control records for all construction operations, including but not limited to the following:

(1) Inspection of workmanship.

(2) Field and laboratory testing of construction materials.

4.2 Two legible copies of these records, as well as the records of corrective action taken, shall be furnished the Government as directed by the Contracting Officer.

5. PAYMENT. No separate payment will be made for the work covered under this section and all costs in connection with such work will be considered as a subsidiary obligation of the Contractor.

END OF SECTION

d. Reporting procedures, including proposed reporting formats. The Contractor shall utilize a Government-furnished software program titled "RMS" (Resident Management System). See section 01455 QUALITY CONTROL SYSTEM (QCS) for additional details.

e. RMS will assist in tracking and reporting for the above requirements. Sample forms generated from the software package shall be used as part of the CQC plan.

1.3.3 Acceptance of Plan. Acceptance of the Contractor's plan is required prior to the start of construction.

1.3.4 Notification of Changes. After acceptance of the QC plan, the Contractor shall notify the CO in writing of any proposed change. Proposed changes require approval by the CO or COR.

1.4 Quality Control Organization.

1.4.1 CQC System Manager. The Contractor shall identify an individual within his organization at the site of the work, who shall be responsible for overall management of CQC and have the authority to act in all CQC matters for the Contractor. This person shall have no other duties and be on the job site at all times that work or testing is in progress. This person shall have as a minimum: five (5) years verifiable experience at the construction skilled-craft foreman level or above; at least five (5) years verifiable experience as a construction Contractor Quality Control Representative; or at least three (3) years experience in either of the two preceding fields, i.e. skilled-craft foreman or above.

1.4.1.1 Additional Requirement. In addition to the above experience and education requirements, the CQC System Manager shall have completed the course entitled, "Construction Quality Management for Contractors". The Resident Engineer can arrange for this training.

1.4.2 Personnel. A staff shall be maintained under the direction of the system manager to perform all QC activities.

(9) 1.4.3 CQC Personnel. In addition to CQC personnel previously specified, the Contractor shall provide as part of the CQC organization specialized personnel to assist the CQC System Manager for the following areas: civil. These individuals may be employees of the prime or subcontractor; be responsible to the CQC System Manager; be physically present at the construction site during work on their areas of responsibility; have the necessary education and/or experience in accordance with the experience matrix listed herein. These individuals may perform other duties but must be allowed sufficient time to perform their assigned quality control duties as described in the Quality Control Plan.

Experience Matrix

Area	Qualifications
a. Civil	Graduate Civil Engineer with 2 years experience in the type of work being performed on this project or Civil technician with 5 years related experience (9)

1.5 Submittals. The Contractors Quality Control (CQC) Organization shall certify that all submittals are in compliance with the contract requirements.

1.6 Control. Contractor Quality Control is how the Contractor assures himself that his construction complies with the requirements of the contract plans and specifications. The controls shall include at least three phases of control for all definitive features of work as follows:

3.9.2.1 Subgrade for Pavements

Subgrade for pavements shall be compacted to at least 95 percentage laboratory maximum density for the depth below the surface of the pavement shown. When more than one soil classification is present in the subgrade, the top 8 inches of subgrade shall be scarified, windrowed, thoroughly blended, reshaped, and compacted.

3.10 FINISHING

The surface of excavations, embankments, and subgrades shall be finished to a smooth and compact surface in accordance with the lines, grades, and cross sections or elevations shown. The degree of finish for graded areas shall be within 0.1 foot of the grades and elevations indicated except that the degree of finish for subgrades shall be specified in paragraph SUBGRADE PREPARATION. Gutters and ditches shall be finished in a manner that will result in effective drainage. The surface of areas to be turfed shall be finished to a smoothness suitable for the application of turfing materials.

3.11 PLACING TOPSOIL

On areas to receive topsoil, the compacted subgrade soil shall be scarified to a 2 inch depth for bonding of topsoil with subsoil. Topsoil then shall be spread evenly to a thickness of 4 inches and graded to the elevations and slopes shown. Topsoil shall not be spread when frozen or excessively wet or dry. Material required for topsoil in excess of that produced by excavation within the grading limits shall be obtained from offsite areas.

3.12 TESTING

Testing shall be performed by an approved commercial testing laboratory or by the Contractor subject to approval. If the Contractor elects to establish testing facilities, no work requiring testing will be permitted until the Contractor's facilities have been inspected and approved by the Contracting Officer. The first inspection will be at the expense of the Government. Cost incurred for subsequent inspection required because of failure of the first inspection will be charged to the Contractor. Field in-place density shall be determined in accordance with ASTM D 1556 ASTM D 2922. When ASTM D 2922 is used, the calibration curves shall be checked and adjusted using only the sand cone method as described in ASTM D 1556. ASTM D 2922 results in a wet unit weight of soil and when using this method ASTM D 3017 shall be used to determine the moisture content of the soil. The calibration curves furnished with the moisture gauges shall also be checked along with density calibration checks as described in ASTM D 3017; the calibration checks of both the density and moisture gauges shall be made at the beginning of a job on each different type of material encountered and at intervals as directed by the Contracting Officer. When test results indicate, as determined by the Contracting Officer, that compaction is not as specified, the material shall be removed, replaced and recompacted to meet specification requirements. Tests on recompacted areas shall be performed to determine conformance with
(9) specification requirements.

The following number of tests, if performed at the appropriate time, will be the minimum acceptable for each type operation. (9)

3.12.1 Fill and Backfill Material Gradation

One test per 650 cubic yards stockpiled or in-place source material. Gradation of fill and backfill material shall be determined in accordance with ASTM D 422.

3.12.2 In-Place Densities

a. One test per 500 square feet, or fraction thereof, of each lift of fill or backfill areas compacted by other than hand-operated machines.

b. One test per 250 square feet, or fraction thereof, of each lift of fill or backfill areas compacted by hand-operated machines.

c. One test per 165 linear feet, or fraction thereof, of each lift of embankment or backfill for roads.

3.12.3 Check Tests on In-Place Densities

If ASTM D 2922 is used, in-place densities shall be checked by ASTM D 1556 as follows:

a. One check test per lift for each 1000 square feet, or fraction thereof, of each lift of fill or backfill compacted by other than hand-operated machines.

b. One check test per lift for each 500 square feet, of fill or backfill areas compacted by hand-operated machines.

c. One check test per lift for each 650 linear feet, or fraction thereof, of embankment or backfill for roads.

3.12.4 Moisture Contents

In the stockpile, excavation, or borrow areas, a minimum of two tests per day per type of material or source of material being placed during stable weather conditions shall be performed. During unstable weather, tests shall be made as dictated by local conditions and approved by the Contracting Officer.

3.12.5 Optimum Moisture and Laboratory Maximum Density

Tests shall be made for each type material or source of material including borrow material to determine the optimum moisture and laboratory maximum density values. One representative test per 650 cubic yards of fill and backfill, or when any change in material occurs which may affect the optimum moisture content or laboratory maximum density.

Specifications: Lomaland Phase IV, Southeast Area, El Paso, Texas

SECTION 02410

SUBDRAINAGE SYSTEM

PART 1 - GENERAL

1.1 APPLICABLE PUBLICATIONS: The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)

AASHTO M 252	(1994) Corrugated Polyethylene Drainage Tubing
AASHTO M 278	(1994) Class PS 46 Polyvinyl Chloride (PVC) Pipe

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D 2751	(1993) Acrylonitrile-Butadiene-Styrene (ABS) Sewer Pipe and Fittings
ASTM D 3034	(1991) Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings
ASTM D 3212	(1992) Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
ASTM D 4632	(1991) Grab Breaking Load and Elongation of Geotextiles
ASTM F 405	(1991) Corrugated Polyethylene (PE) Tubing and Fittings
ASTM F 758	(1993) Smooth-Wall Poly(Vinyl Chloride) (PVC) Plastic Underdrain Systems for Highway, Airport, and Similar Drainage
ASTM F 949	(1993a) Poly(Vinyl Chloride) (PVC) Corrugated Sewer Pipe With a Smooth Interior and Fittings

1.2 SUBMITTALS: Government approval is required for all submittals with a "GA" designation; submittals having an "FIO" designation are for information only. The following shall be submitted in accordance with Section 01330 - SUBMITTAL PROCEDURES:

SD-13 Certificates

Subdrain Materials; FIO.

Certifications from the manufacturers attesting that materials meet specification requirements shall be submitted. Certificates are required for drain pipe, drain tile, fittings, prefabricated filter fabric drainage structure, and filter fabric.

SD-14 Samples

Subdrain Materials; GA.

Furnish a 12 inch x 12 inch sample of the prefabricated filter fabric drainage structure, pipe, and pipe fittings for review and approval by the Contracting Officer before starting the work.

1.3 DELIVERY, STORAGE, AND HANDLING:

1.3.1 Delivery and Storage: Materials delivered to site shall be inspected for damage, unloaded, and stored with minimum handling. Materials shall not be stored directly on the ground. The inside of pipes and fittings shall be kept free of dirt and debris. During shipment and storage, filter fabric shall be wrapped in burlap or similar heavy duty protective covering. The prefabricated filter fabric drainage structure shall be delivered to the job site in the manufacturer's original, unopened packages, clearly marked with the manufacturers name, brand name, and description of contents. The storage area shall be such that the fabric materials are protected from mud, soil, dust, and debris. Filter fabric materials that are not to be installed immediately shall not be stored in the direct sunlight. Plastic pipe shall be installed within 6 months from the date of manufacture unless otherwise approved.

1.3.2 Handling: Materials shall be handled in such a manner as to insure delivery to the trench in sound undamaged condition. Pipe shall be carried and not dragged to the trench.

1.4 TESTS:

1.4.1 Pipe Test: Strength tests of pipe shall conform to field service test requirements of the Federal Specification, ASTM specification, or AASHTO specification covering the product (paragraph PIPE FOR SUBDRAINS).

PART 2 - PRODUCTS

2.1 PIPE FOR SUBDRAINS shall be of the types and sizes indicated.

2.1.1 Plastic Pipe: Plastic pipe shall contain ultraviolet inhibitor to provide protection from exposure to direct sunlight.

2.1.1.1 Acrylonitrile-Butadiene-Styrene (ABS) Piping: Acrylonitrile-butadiene-styrene (ABS) piping and fittings shall conform to ASTM D 2751, with maximum SDR of 35.

2.1.2 Polyvinyl Chloride (PVC) Pipe and Fittings: Polyvinyl Chloride (PVC) pipe and fittings shall conform to ASTM D 3034, F 949, or F 758, Type PS 46, or AASHTO M 278 with a minimum pipe stiffness of 46.

2.1.3 Corrugated Polyethylene (PE) Pipe and Fittings: Use ASTM F 405 or AASHTO M 252. Fittings shall be manufacturer's standard type and shall conform to the indicated specification.

2.1.4 Pipe Perforations: Water inlet area shall be a minimum of 0.5 square inch per linear foot. Manufacturer's standard perforated pipe which essentially meets these requirements may be substituted with prior approval of the Contracting Officer.

2.1.4.1 Circular Perforations in Plastic Pipe: Circular holes shall be cleanly cut not more than 3/8 inch or less than 3/16 inch in diameter and arranged in rows parallel to the longitudinal axis of the pipe. Perforations shall be approximately 3 inches center-to-center along rows. The rows shall be approximately 1-1/2 inches apart and arranged in a staggered pattern so that all perforations lie at the midpoint between perforations in adjacent rows. The rows shall be spaced over not more than 155 degrees of circumference. The spigot or tongue end of the pipe shall not be perforated for a length equal to the depth of the socket, and perforations shall continue at uniform spacing over the entire length of the pipe.

2.1.4.2 Slotted Perforations in Plastic Pipe: Circumferential slots shall be cleanly cut so as not to restrict the inflow of water and uniformly spaced along the length and circumference of the tubing. Width of slots shall not exceed 1/8 inch nor be less than 1/32 inch. The length of individual slots shall not exceed 1-1/4 inches on 3-inch diameter tubing, 10 percent of the tubing inside nominal circumference on 4 to 8-inch diameter tubing, and 2-1/2 inches on 10-inch diameter tubing. Rows of slots shall be symmetrically spaced so that they are fully contained in 2 quadrants of the pipe. Slots shall be centered in the valleys of the corrugations of profile wall pipe.

2.2 FILTER FABRIC shall be a pervious sheet of polyester, nylon, or polypropylene filaments woven or otherwise formed into a uniform pattern with distinct and measurable openings. The filter fabric shall provide an equivalent opening size (EOS) no finer than the US Standard Sieve No. 100 and no coarser than the US Standard Sieve No. 70. EOS is defined as the number of the US Standard sieve having openings closest in size to the filter fabric openings. The filaments shall consist of a long-chain synthetic polymer composed of at least 85 percent by weight of propylene, ethylene, or vinylidene-chloride, and shall contain stabilizers and/or inhibitors added to the base plastic to make the filaments resistant to deterioration due to ultraviolet and heat exposure. The fabric shall have a minimum physical strength of 200 pounds per inch in any direction when tested in accordance with ASTM D 4632 using the grab test method with 1 square inch jaws and a constant rate of travel of 12 inches per minute. Elongation at failure shall be between 30 and 70 percent. The fabric shall be constructed so that the filaments will retain their relative position with respect to each other.

2.3 PREFABRICATED FILTER FABRIC DRAINAGE STRUCTURE: Product shall be as listed below or approved equal:

a. Enkadrain Subsurface Drainage Matting as manufactured by Colbond Geosynthetics.

b. Miradrain Prefabricated Drainage Structure as manufactured by Mirafi Inc.

c. Strip drain 75 (1/2 inch) as manufactured by Armco.

2.3.1 Filter Fabric: The filter fabric for the prefabricated drainage structure shall be as specified under paragraph 6.

PART 3 - EXECUTION

3.1 EXCAVATION FOR SUBDRAIN SYSTEMS: Trenching and excavation, including the removal of rock and unstable material, shall be in accordance with SECTION 02220 - EXCAVATION, FILLING AND BACKFILLING FOR CONCRETE STRUCTURES.

3.2 INSTALLATION OF PREFABRICATED FILTER FABRIC DRAINAGE STRUCTURE: Use M-6000, 12-inch by 12-inch drain grate by Miradrain or approved equal. Installation shall be as recommended by the manufacturer. Accessories required for a complete and proper installation shall be the Contractor's responsibility.

3.3 INSTALLATION OF FILTER FABRIC AND PIPE FOR SUBDRAINS:

3.3.1 Installation of Filter Fabric:

3.3.1.1 Overlaps on Perforated or Slotted Pipes: One layer of filter fabric shall be wrapped around perforated or slotted collector pipes in such a manner that longitudinal overlaps of fabric are in unperforated or unslotted quadrants of the pipes. The overlap shall be at least 2 inches. The fabric shall be secured to the pipe in such a manner that backfill material will not infiltrate through any fabric overlaps.

3.3.1.2 Installation on Open-Joint Pipe: One layer of filter fabric shall be wrapped around open joints. The overlap should be at least 2 inches. The fabric shall be secured to the pipe in such a manner that backfill material will not infiltrate through the overlap or the edges of the fabric to either side of the open joint.

3.3.2 Installation of Pipe for Subdrains:

3.3.2.1 Pipelaying: Each pipe shall be carefully inspected before it is laid. Any defective or damaged pipe shall be rejected. No pipe shall be laid when the trench conditions or weather is unsuitable for such work. Water shall be removed from trenches by sump pumping or other approved methods. The pipe shall be laid to the grades and alinement as indicated. Pipe shall be bedded to the established gradeline. Perforations shall be centered on the top of the pipe. Pipe of either the bell-and-spigot type or the tongue-and-groove type shall be laid with the bell or groove ends upstream. All pipe in place shall be approved before backfilling.

3.3.2.2 Jointing:

3.3.2.2.1 Acrylonitrile-Butadiene-Styrene (ABS): Solvent cement or elastomeric joints for ABS pipe shall be in accordance with ASTM D 2751. Dimensions and tolerances shall be in accordance with Table II of ASTM D 2751.

3.3.2.2.2 Poly(Vinyl Chloride) (PVC) Pipe: Joints shall be in accordance with the requirements of ASTM D 3034, D 3212, or F 949.

3.4 PAYMENT. No separate payment will be made for the work covered under this section and all costs in connection therewith shall be included in the lump sum prices for the items to which the work pertains.

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